

ABSTRACT OF THE DISCLOSURE

The present invention partitions a cache region of a storage subsystem for each user and prevents interference between user-dedicated regions.

A plurality of CLPR can be established within the storage subsystem. A CLPR is a user-dedicated region that can be used by partitioning the cache region of a cache memory. Management information required to manage the data stored in the cache memory is allocated to each CLPR in accordance with the attribute of the segment or slot. The clean queue and clean counter, which manage the segments in a clean state, are provided in each CLPR. The dirty queue and dirty counter are used jointly by all the CLPR. The free queue, classification queue, and BIND queue are applied jointly to all the CLPR, only the counters being provided in each CLPR.